

Expeditionary Warfare

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Naval Sea Systems Command
NAVAL SURFACE WARFARE CENTER

EXPEDITIONARY
WARFARE



DAHLGREN DIVISION



DAHLGREN PANAMA CITY

Navy Needs

- *Advanced Capabilities, Systems Development, Doctrine, and Tactics* - Develop advanced capabilities and technical underpinnings to relate technology to systems development, doctrine, and tactics.
- *Near-Term Fire Support* - Improve Expeditionary Maneuver Element capabilities by developing and integrating sensor-to-shooter technologies.
- *Mine Warfare (MIW) & Naval Special Warfare* - Improve shallow water/surf zone topographical and geographical and mine/obstacle reconnaissance, detection, neutralization, and countermeasures capabilities.
- *Expeditionary Domain Expertise, Technology Integration, and Tradeoff Simulations* - Provide technically compliant mine/amphibious/ expeditionary and Naval Special Warfare expertise including operational/technology integration and tradeoff simulations.
- *Amphibious Warfare* - Improve Marine Corps personnel/equipment interface with amphibious ships; construct and introduce new ships to the Fleet; improve Landing Craft, Air Cushion (LCAC) over-the-horizon assault capabilities; and improve Naval abilities to conduct amphibious assault.
- *Special Warfare Maritime Mobility* - Provide clandestine and low signature mobility in the Amphibious Objective Area.

Our Role

- *Systems Development, Doctrine, and Tactics* - Provide leadership for N85 in the development of a process to relate technology to systems development, doctrine, and tactics.
- *Combat/Fire Support Surveillance, Real Time Targeting/Targeting Sensor Systems* - Serve as systems developer, integrator, and execution manager of real-time close-combat/fire support surveillance and targeting/targeting-sensor systems; provide testing and evaluation of emerging close-combat/fire support surveillance and targeting systems.
- *Mine Warfare/Mine Countermeasures Systems* - Serve as systems developer, integrator, and execution manager of mining and mine countermeasures systems.
- *Modeling, Simulation, and Simulation-Based Concept Assessment* - Provide MIW/Expeditionary domain expertise for the modeling and simulation community, and conduct simulation-based concept assessments and tradeoff analyses.
- *Amphibious Warfare* - Develop LCAC and Amphibious Assault System interfaces; conduct shock trials, builder, and acceptance trials; and provide acquisition, in-service engineering, and life cycle management support.
- *Naval Special Warfare* - Serve as technical directors, design agents, test and evaluation agents, and in-service engineering agents for Special Warfare Maritime Mobility assets.

Products and Services

- Automatic Forward Observer/Forward Air Controller (FO/FAC) System (ground and airborne)
- Coastal Beach Reconnaissance Analysis (COBRA) System
- Gun-Launched Acoustic Sensor System
- MIW and Expeditionary Warfare simulation exercises - to support a process relating technology to systems development, doctrine, and tactics
- Targeting Sensor Test, Evaluation, Assessment, Modeling, and Simulation (TEAMS) Facility services
- Instrumented Potomac River Test Range services--for land-based test, evaluation, and development of both government and industrial weapon and sensor components/systems.
- Interface technological advancements with Special Warfare Requirements, especially for the SEAL Delivery Vehicle.
- Facilitate a distributed Center of Excellence for Expeditionary Warfare technologies by functioning as an agent for the fusion of concepts, technologies, systems, and modeling and simulation.



NAVAL SEA SYSTEMS COMMAND



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